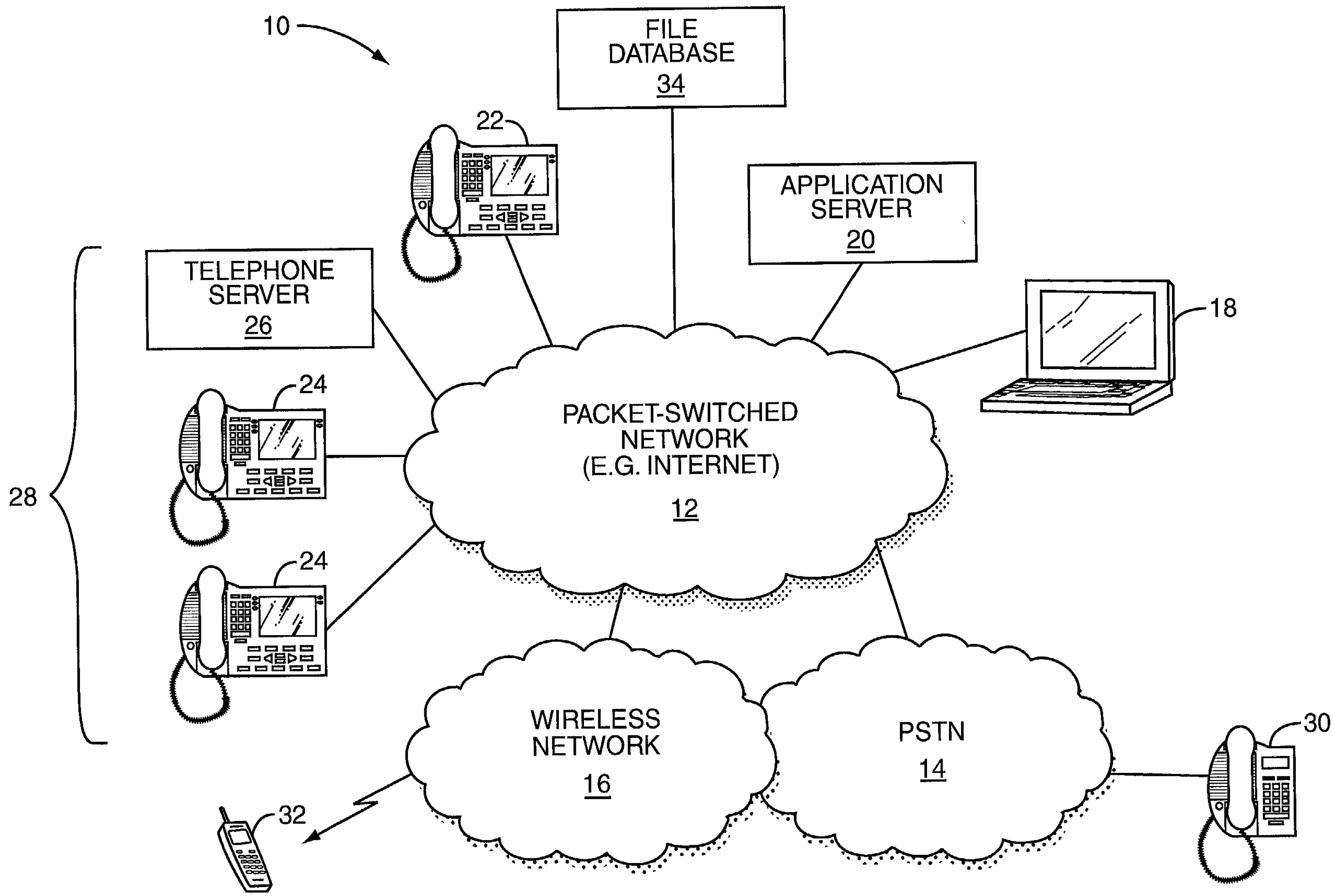

10
FILE
DATABASE
34
22
APPLICATION
SERVER
20
TELEPHONE
SERVER
26
18
24
PACKET-SWITCHED
NETWORK
(E.G. INTERNET)
12
28
24
WIRELESS
NETWORK
16
PSTN
14
30
32

FIG. 1

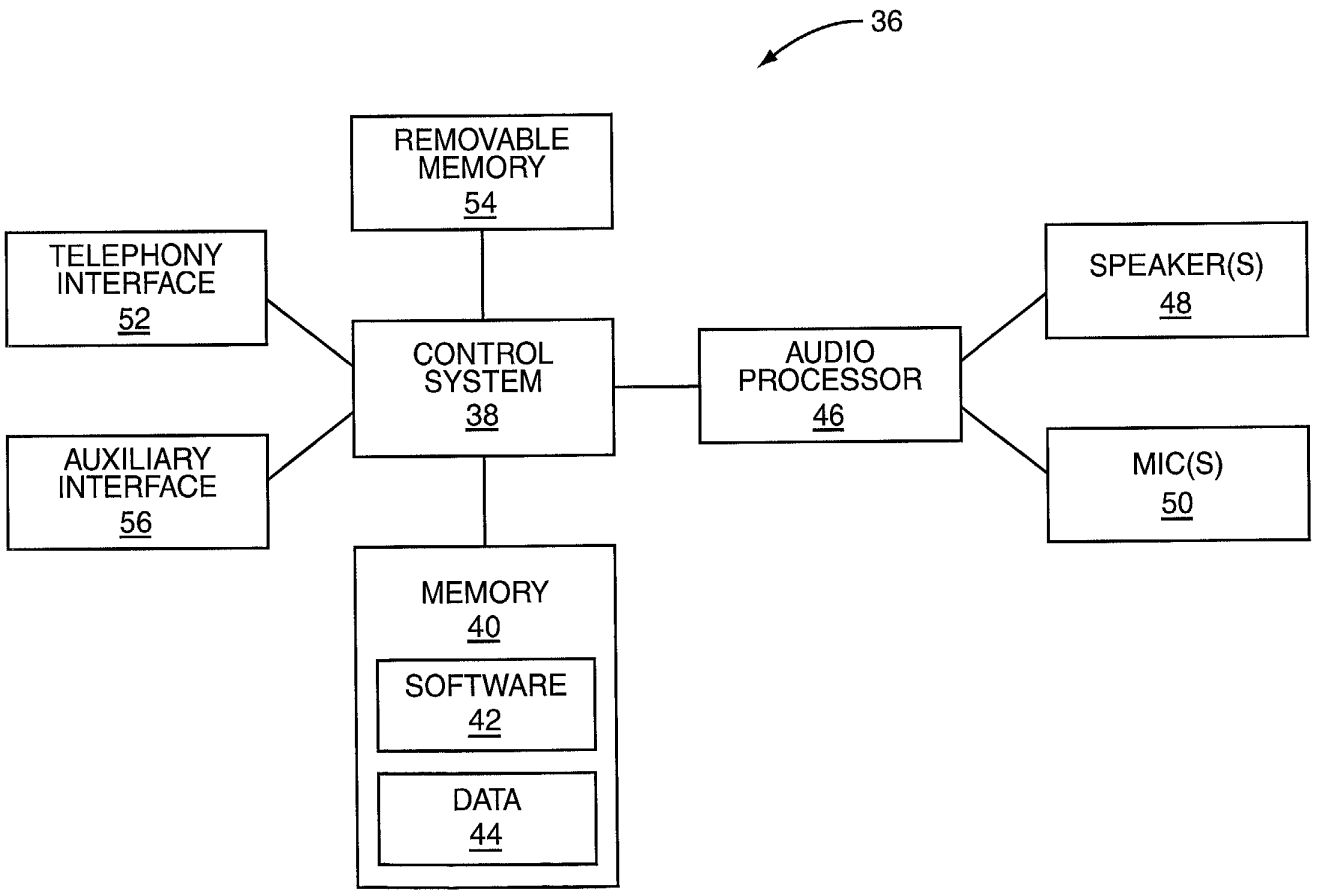

36
REMOVABLE MEMORY 54
TELEPHONY INTERFACE 52
CONTROL SYSTEM 38
AUDIO PROCESSOR 46
SPEAKER(S) 48
AUXILIARY INTERFACE 56
MIC(S) 50
MEMORY 40
SOFTWARE 42
DATA 44

FIG. 2

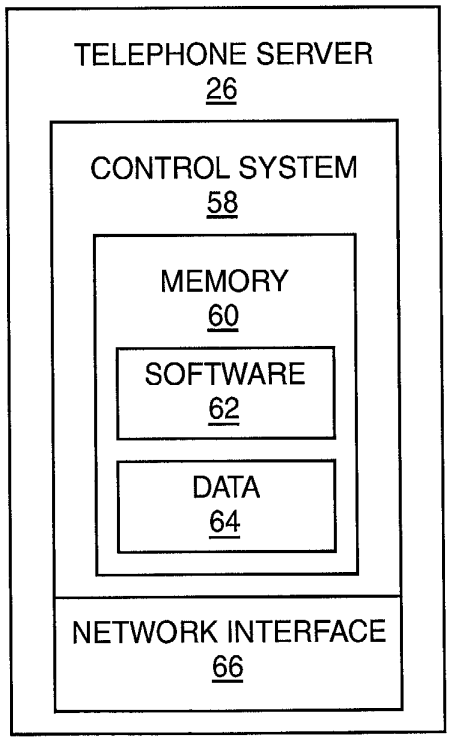

TELEPHONE SERVER
26
CONTROL SYSTEM
58
MEMORY
60
SOFTWARE
62
DATA
64
NETWORK INTERFACE
66

FIG. 3

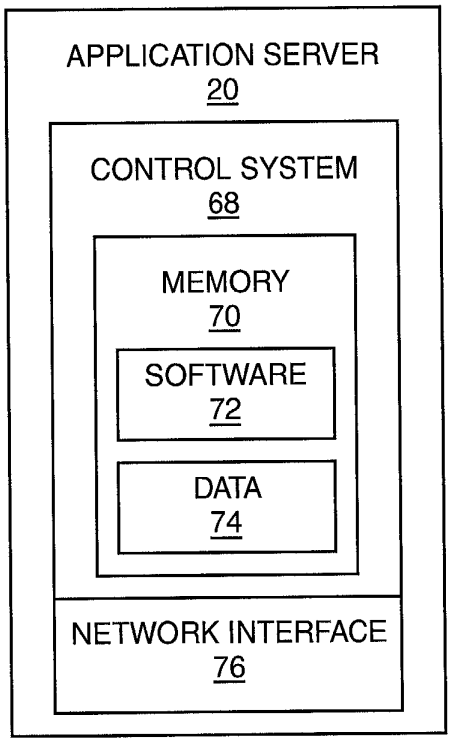

APPLICATION SERVER
20
CONTROL SYSTEM
68
MEMORY
70
SOFTWARE
72
DATA
74
NETWORK INTERFACE
76

FIG. 4

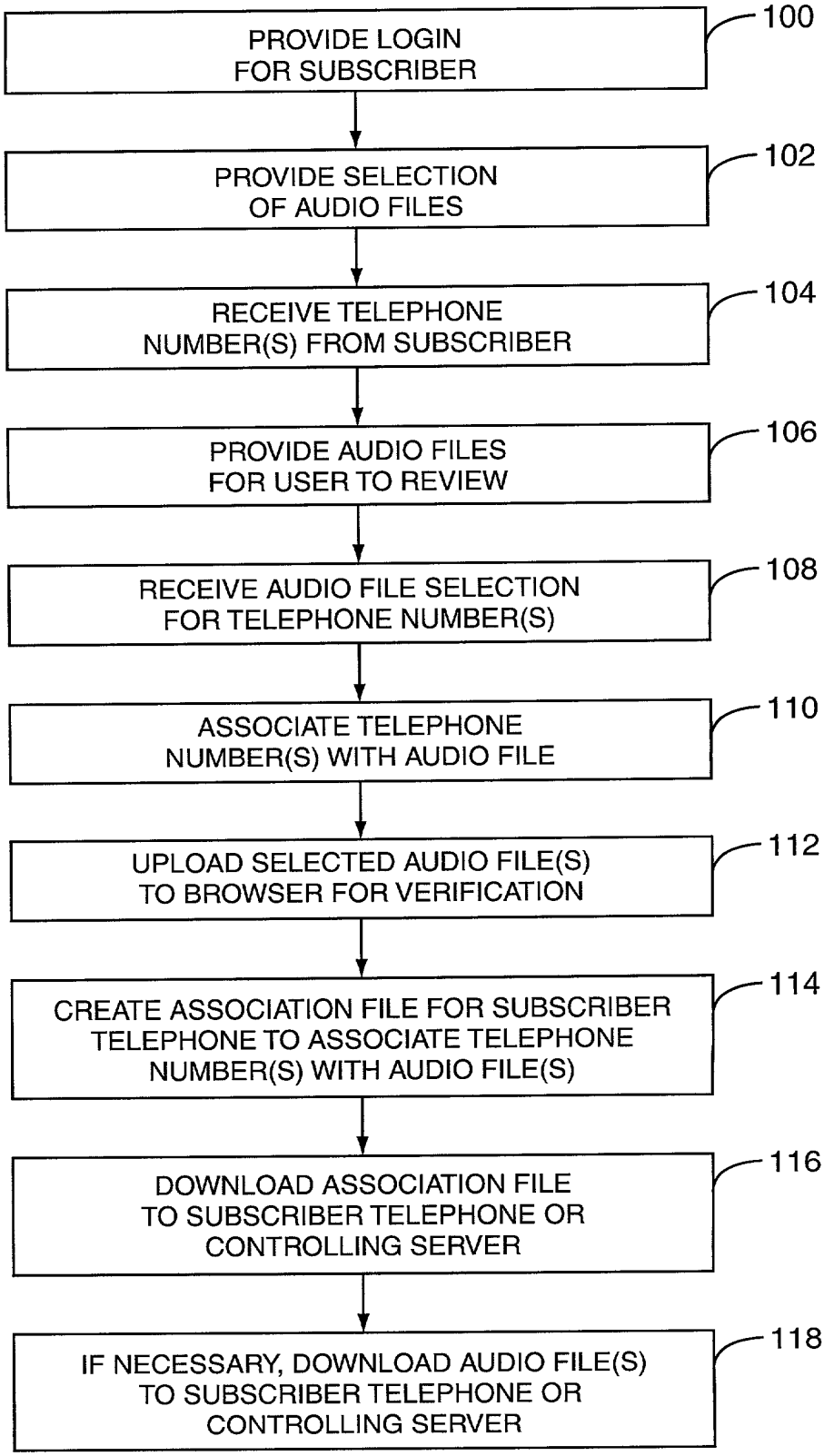

PROVIDE LOGIN FOR SUBSCRIBER
100
PROVIDE SELECTION OF AUDIO FILES
102
RECEIVE TELEPHONE NUMBER(S) FROM SUBSCRIBER
104
PROVIDE AUDIO FILES FOR USER TO REVIEW
106
RECEIVE AUDIO FILE SELECTION FOR TELEPHONE NUMBER(S)
108
ASSOCIATE TELEPHONE NUMBER(S) WITH AUDIO FILE
110
UPLOAD SELECTED AUDIO FILE(S) TO BROWSER FOR VERIFICATION
112
CREATE ASSOCIATION FILE FOR SUBSCRIBER TELEPHONE TO ASSOCIATE TELEPHONE NUMBER(S) WITH AUDIO FILE(S)
114
DOWNLOAD ASSOCIATION FILE TO SUBSCRIBER TELEPHONE OR CONTROLLING SERVER
116
IF NECESSARY, DOWNLOAD AUDIO FILE(S) TO SUBSCRIBER TELEPHONE OR CONTROLLING SERVER
118

FIG. 5

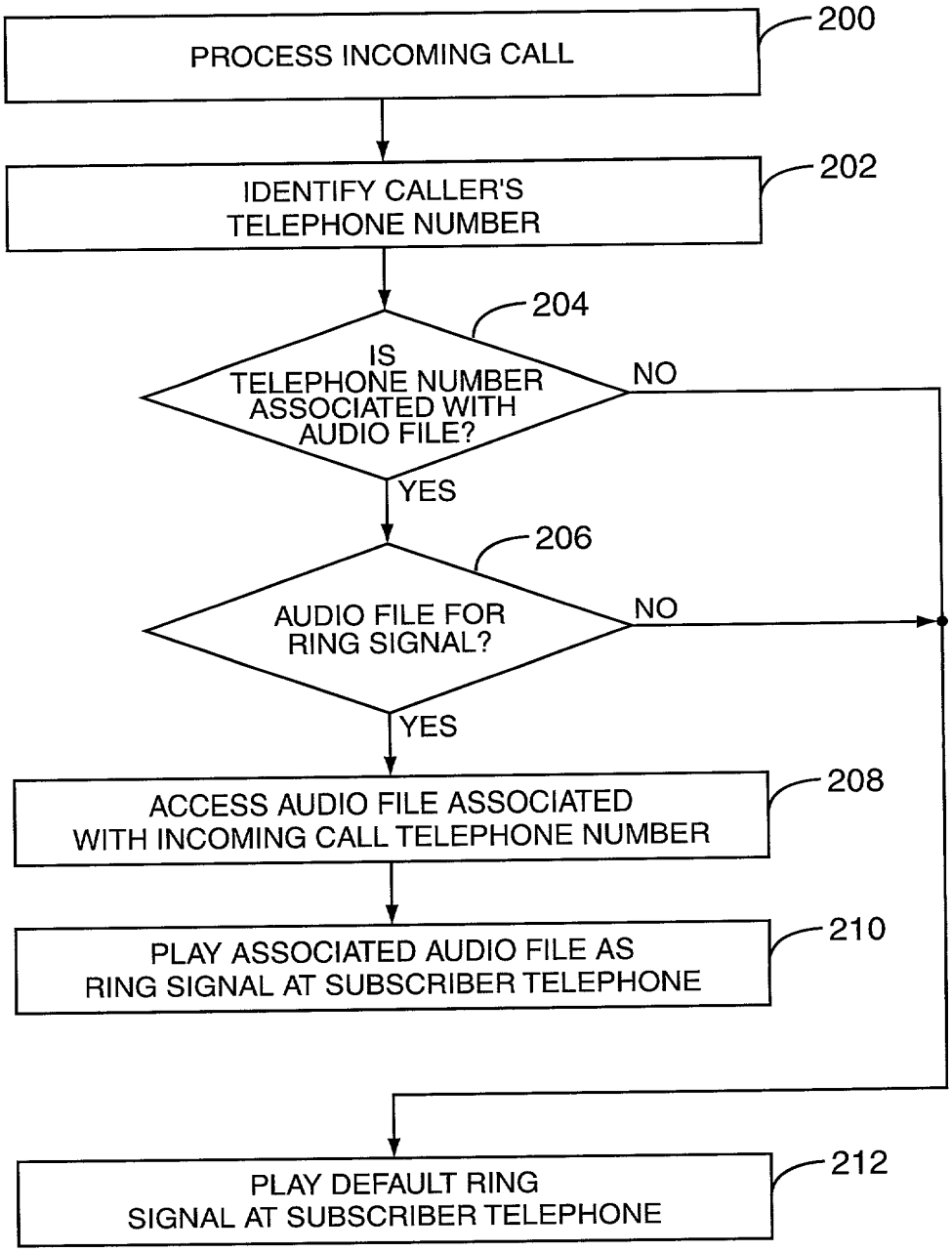

PROCESS INCOMING CALL
200
IDENTIFY CALLER'S TELEPHONE NUMBER
202
IS TELEPHONE NUMBER ASSOCIATED WITH AUDIO FILE?
204
NO
YES
AUDIO FILE FOR RING SIGNAL?
206
NO
YES
ACCESS AUDIO FILE ASSOCIATED WITH INCOMING CALL TELEPHONE NUMBER
208
PLAY ASSOCIATED AUDIO FILE AS RING SIGNAL AT SUBSCRIBER TELEPHONE
210
PLAY DEFAULT RING SIGNAL AT SUBSCRIBER TELEPHONE
212

FIG. 6

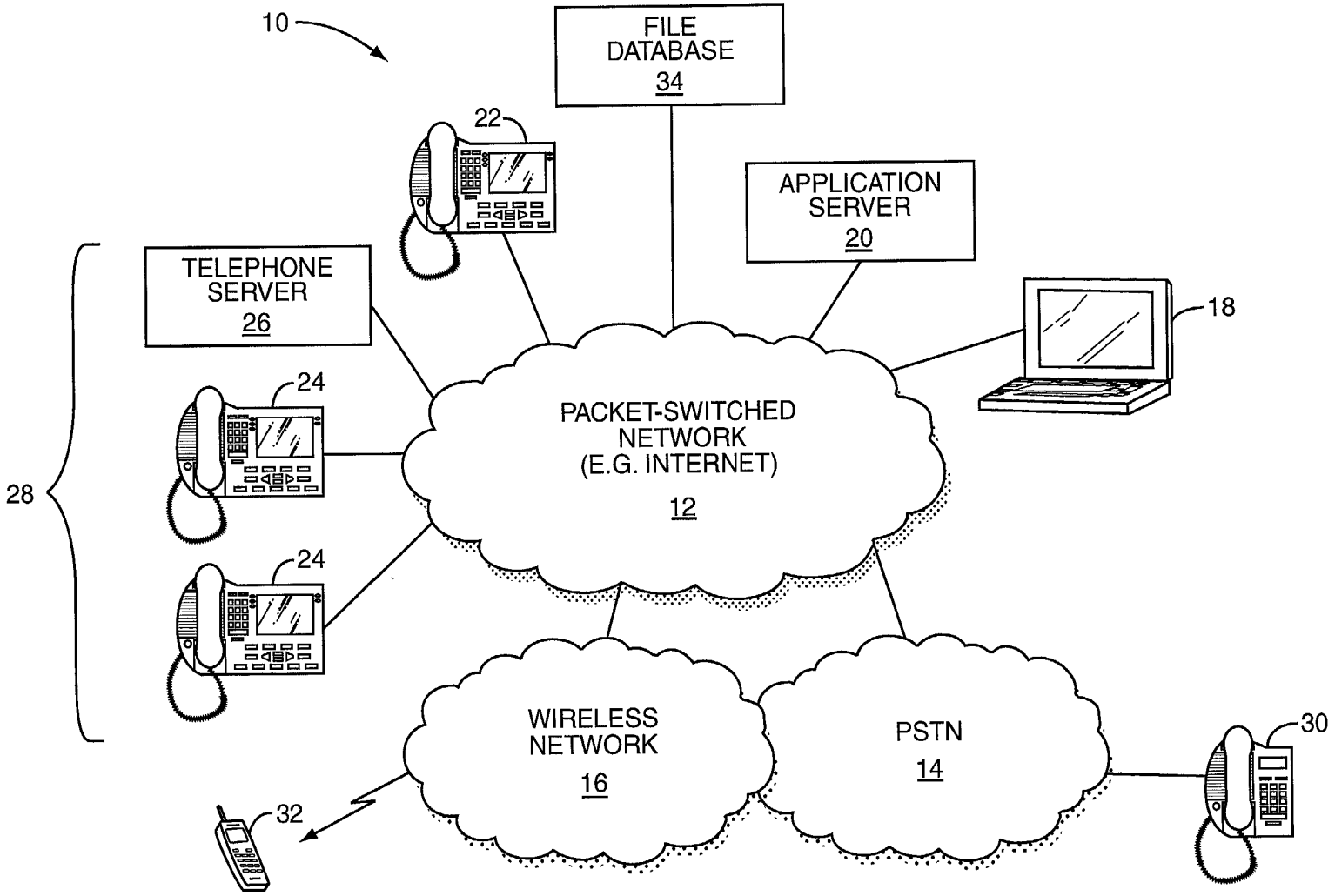


FIG. 1

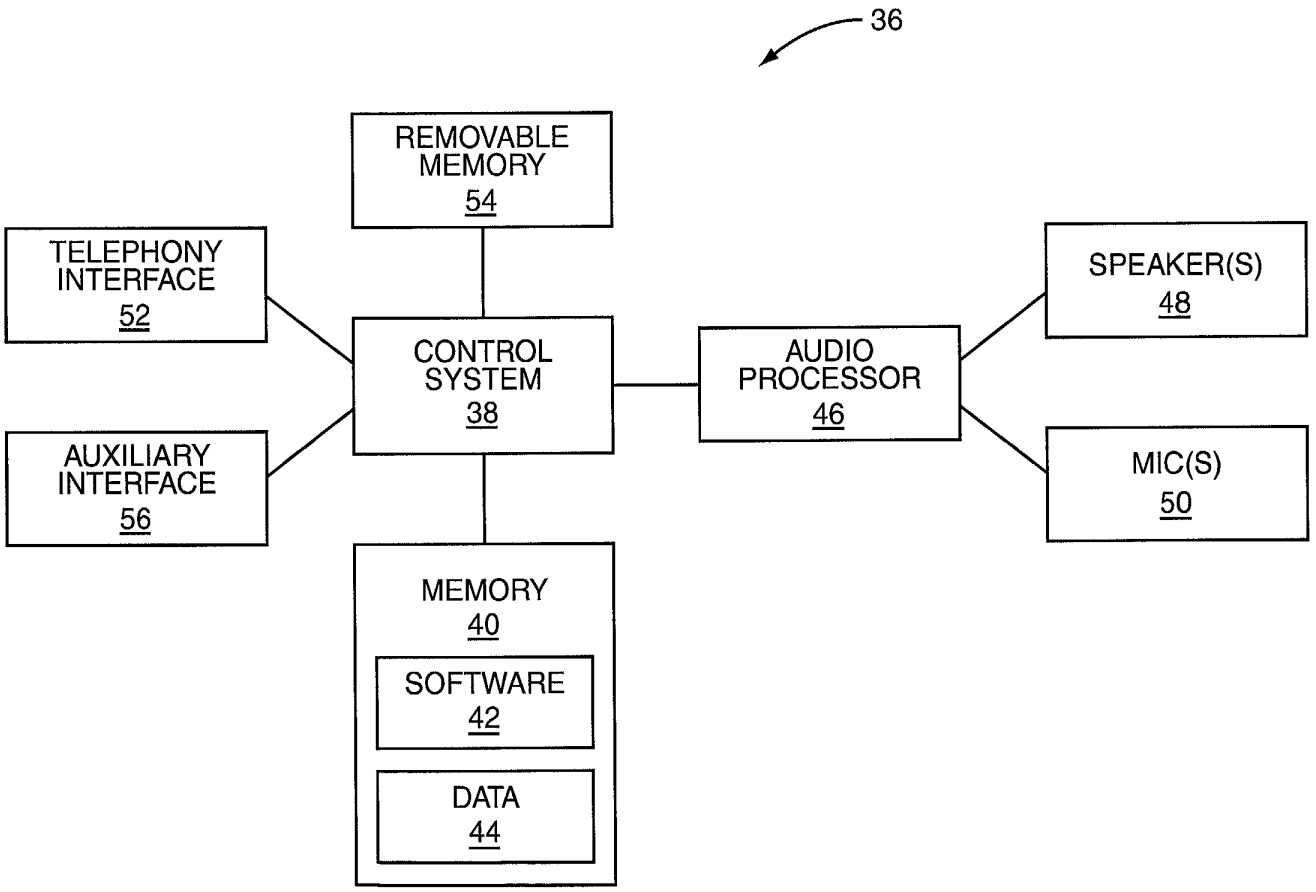


FIG. 2

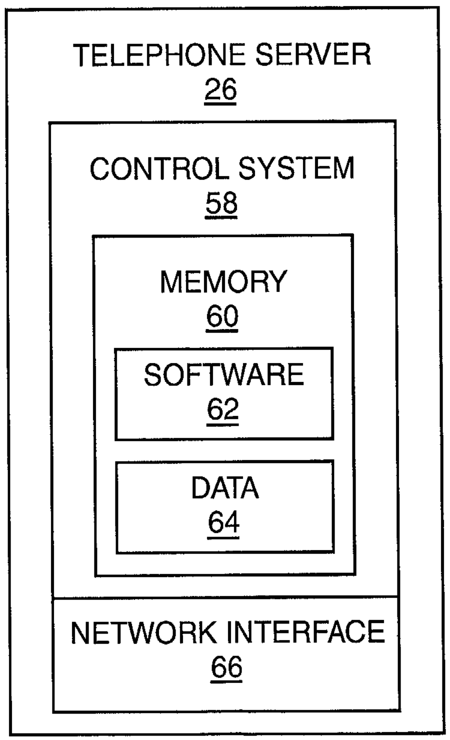
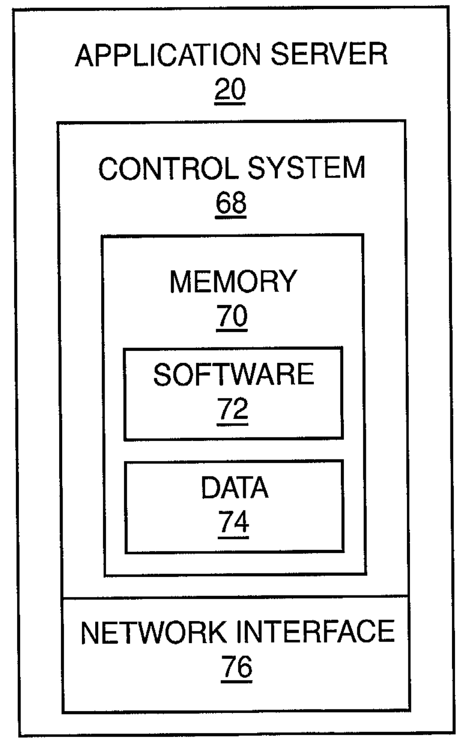

TELEPHONE SERVER
26
CONTROL SYSTEM
58
MEMORY
60
SOFTWARE
62
DATA
64
NETWORK INTERFACE
66

FIG. 3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CONTROL SYSTEM
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MEMORY
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DATA
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NETWORK INTERFACE
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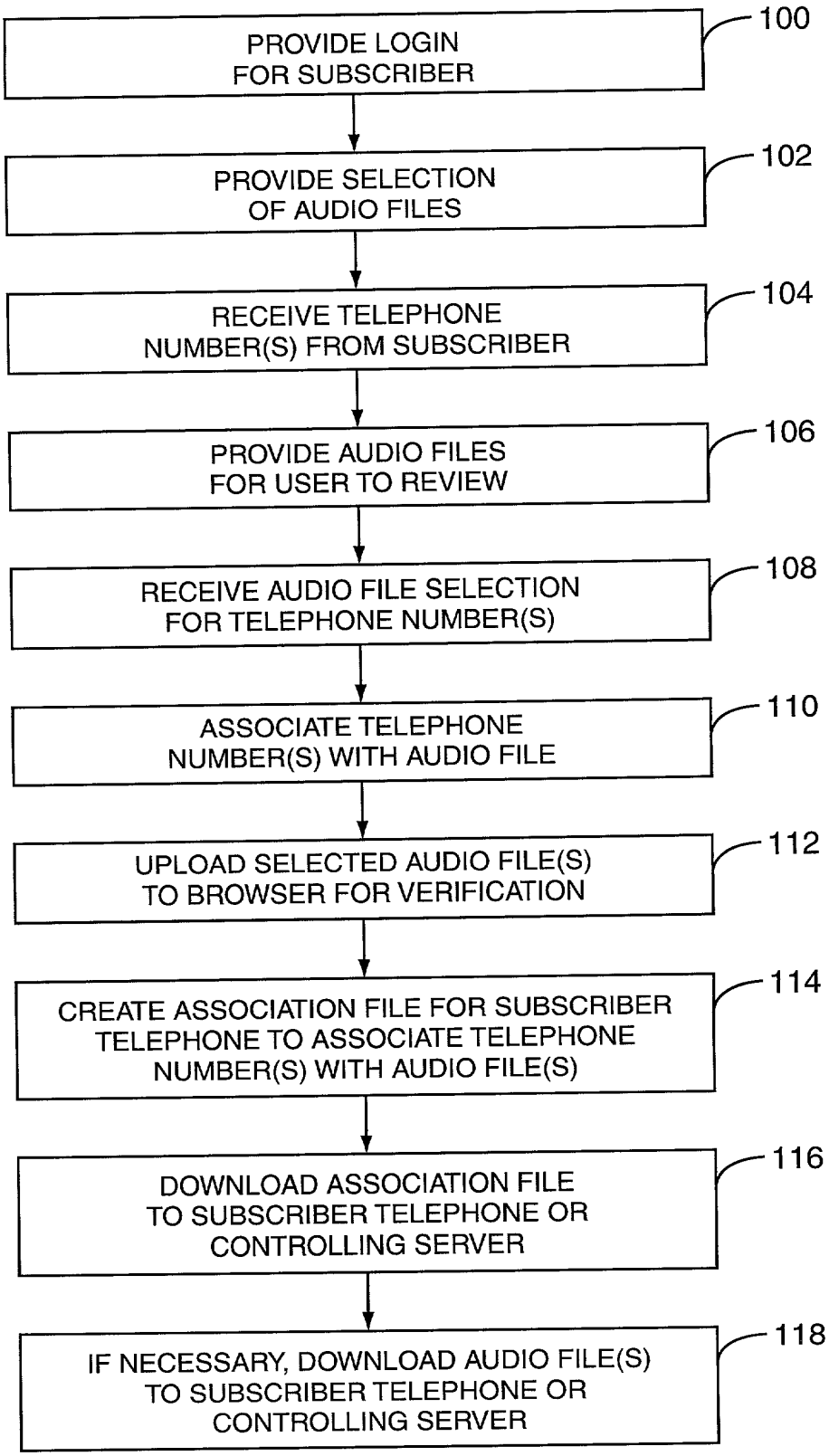
FIG. 4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CREATE ASSOCIATION FILE FOR SUBSCRIBER TELEPHONE TO ASSOCIATE TELEPHONE NUMBER(S) WITH AUDIO FILE(S)
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IF NECESSARY, DOWNLOAD AUDIO FILE(S) TO SUBSCRIBER TELEPHONE OR CONTROLLING SERVER
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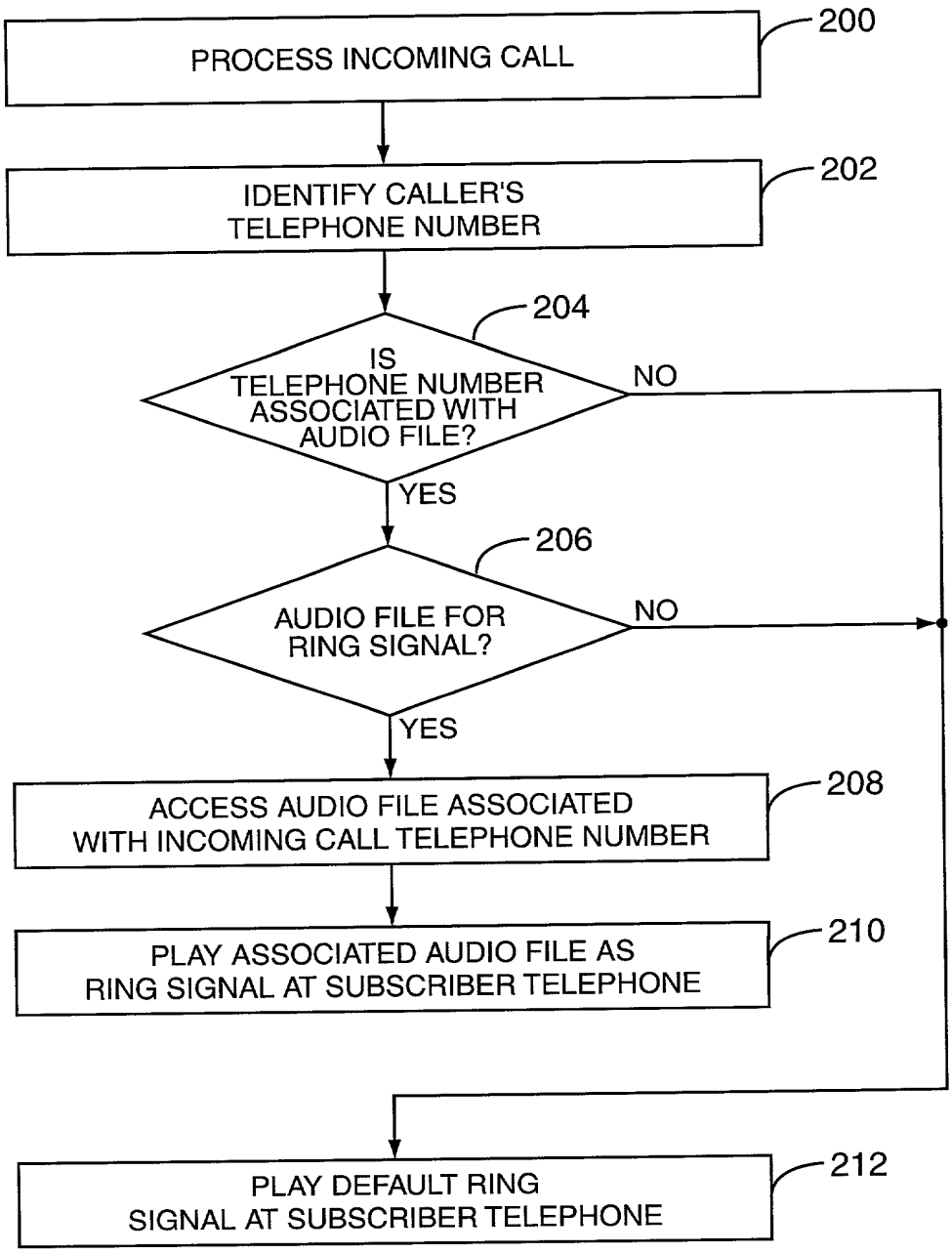
FIG. 5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200
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IS TELEPHONE NUMBER ASSOCIATED WITH AUDIO FILE?
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NO
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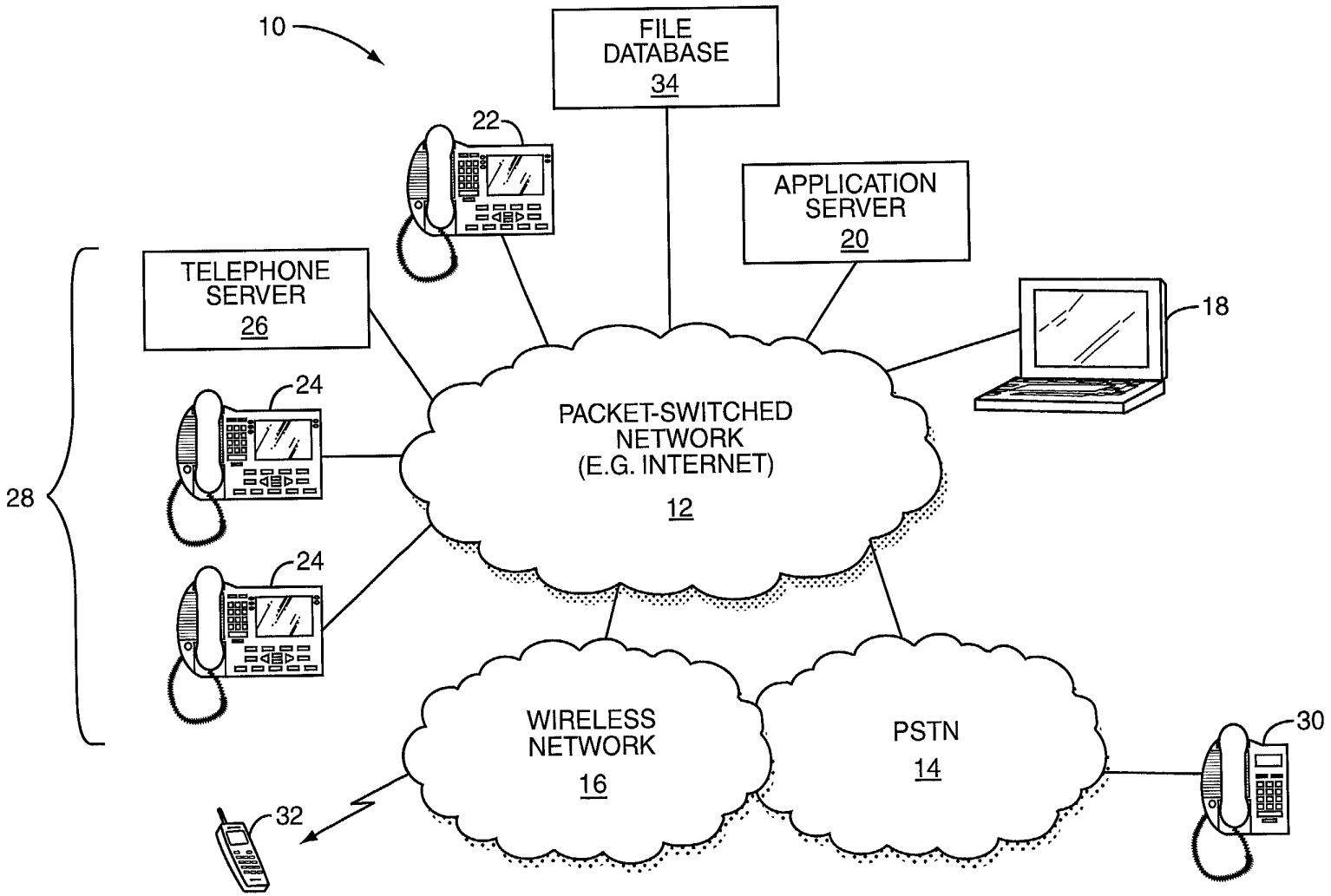
AUDIO FILE FOR RING SIGNAL?
206
NO
YES
ACCESS AUDIO FILE ASSOCIATED WITH INCOMING CALL TELEPHONE NUMBER
208
PLAY ASSOCIATED AUDIO FILE AS RING SIGNAL AT SUBSCRIBER TELEPHONE
210
PLAY DEFAULT RING SIGNAL AT SUBSCRIBER TELEPHONE
212

FIG. 6



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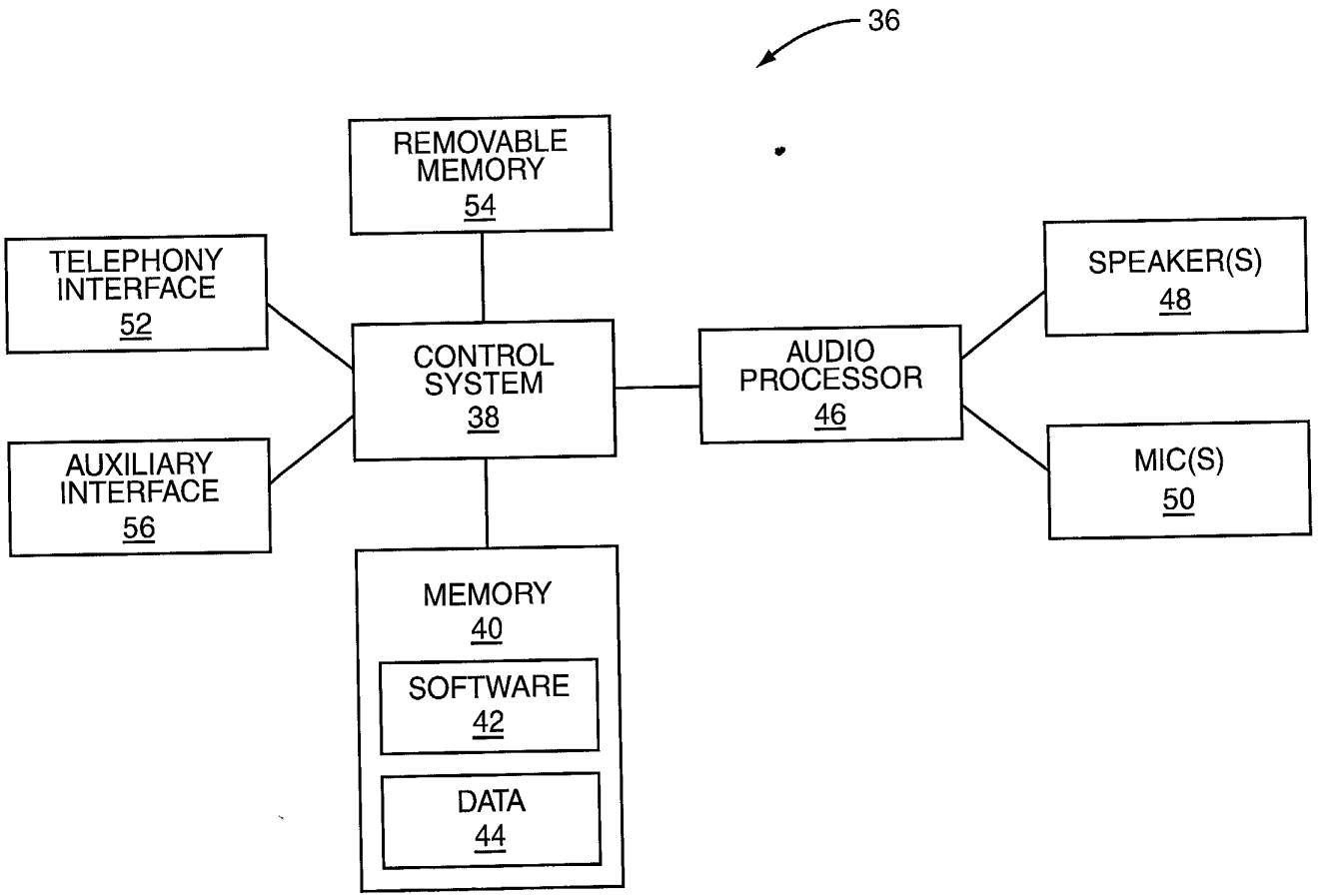
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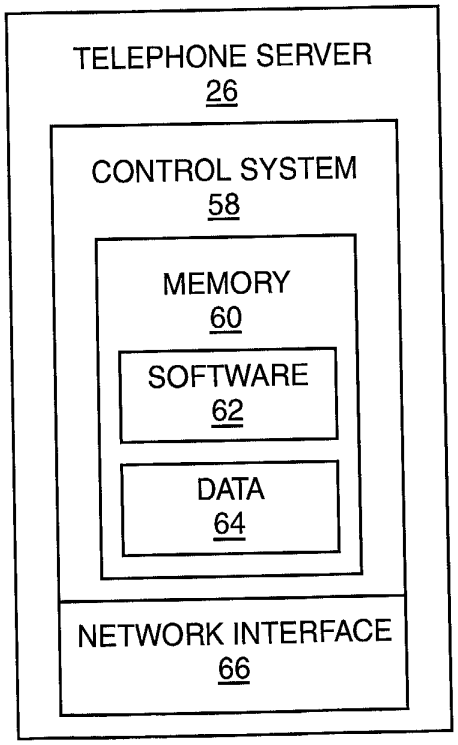
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CONTROL SYSTEM
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MEMORY
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SOFTWARE
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DATA
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NETWORK INTERFACE
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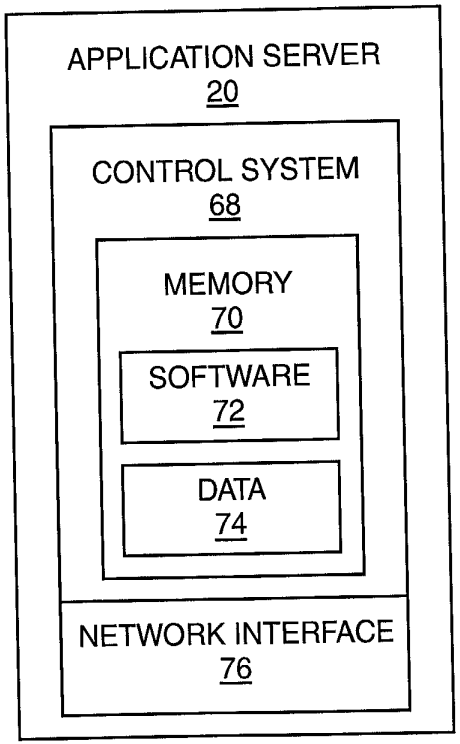
FIG. 3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CONTROL SYSTEM
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MEMORY
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SOFTWARE
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DATA
74
NETWORK INTERFACE
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FIG. 4

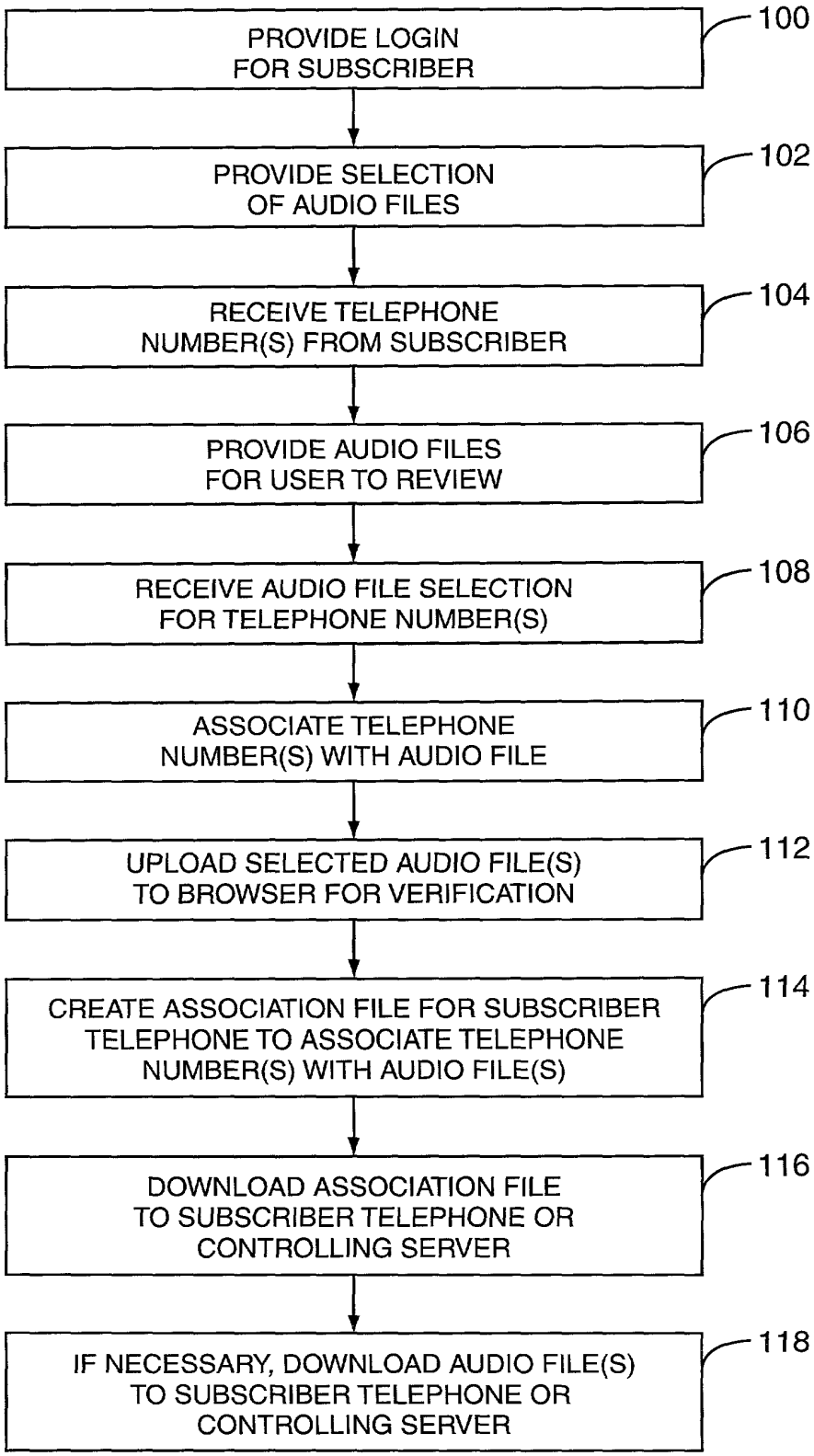
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FIG. 5

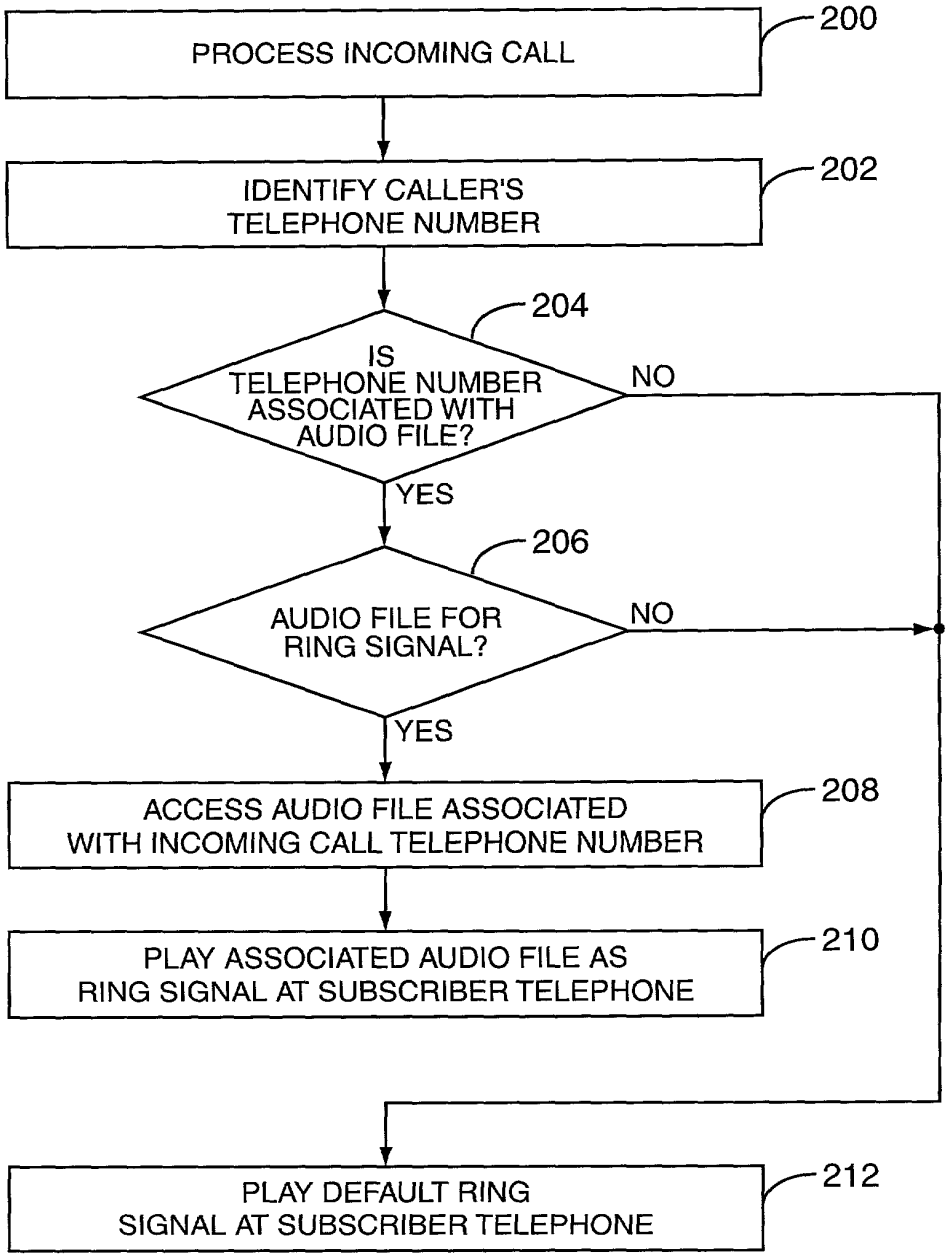
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FIG. 6